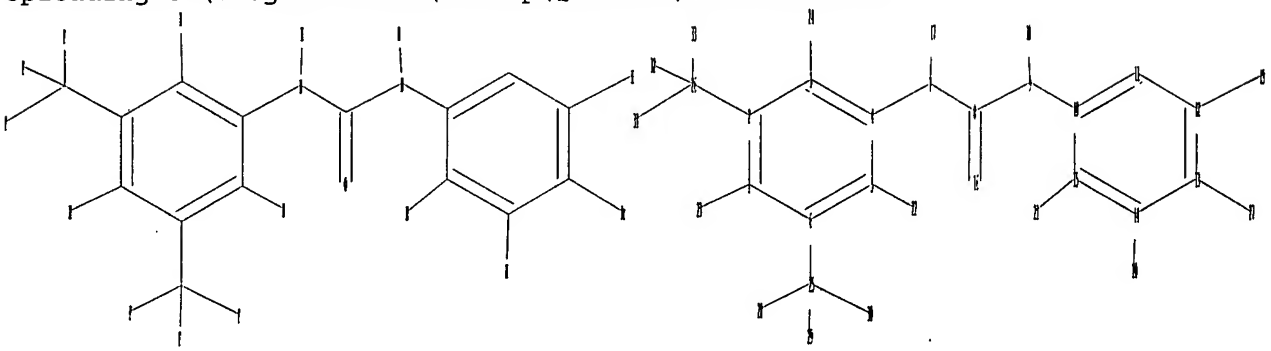
EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S4	64	VRAC or volume-regulated anion channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 11:23

Uploading C:\Program Files\Stnexp\Queries\10522258b.str



chain nodes :
7 8 9 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

ring nodes :
1 2 3 4 5 6 10 11 12 13 14 15
chain bonds :
1-23 2-26 3-24 4-7 5-22 6-25 7-8 7-17 8-9 8-16 9-10 9-18 12-19 13-27
14-20 15-21 25-28 25-29 25-30 26-31 26-32 26-33
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15
exact/norm bonds :
4-7 7-8 8-9 8-16 9-10
exact bonds :
1-23 2-26 3-24 5-22 6-25 7-17 9-18 12-19 13-27 14-20 15-21 25-28 25-29
25-30 26-31 26-32 26-33
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS
30:CLASS
31:CLASS 32:CLASS 33:CLASS

L3 STRUCTURE UPLOADED

=> S L3 SSS FULL
FULL SEARCH INITIATED 09:45:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 82 TO ITERATE

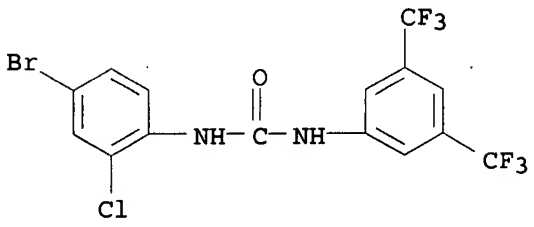
100.0% PROCESSED 82 ITERATIONS 8 ANSWERS
SEARCH TIME: 00.00.01

L4 8 SEA SSS FUL L3

=> D L4 1-8

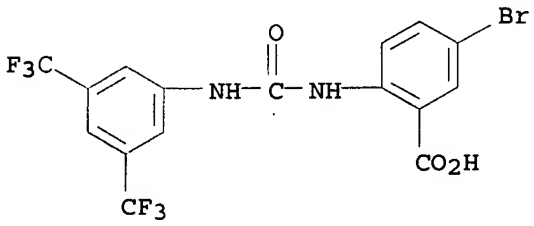
L4 ANSWER 1 OF 8 REGISTRY COPYRIGHT 2007 ACS on STN
RN 902727-11-1 REGISTRY
ED Entered STN: 18 Aug 2006
CN Urea, N-[3,5-bis(trifluoromethyl)phenyl]-N'-(4-bromo-2-chlorophenyl)- (CA

INDEX NAME)
MF C15 H8 Br Cl F6 N2 O
SR Chemical Library
Supplier: Scientific Exchange, Inc.
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

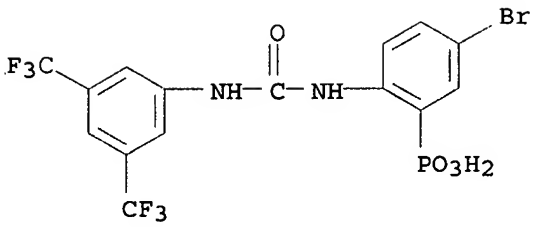
L4 ANSWER 2 OF 8 REGISTRY COPYRIGHT 2007 ACS on STN
RN 674301-41-8 REGISTRY
ED Entered STN: 12 Apr 2004
CN Benzoic acid, 2-[[[[3,5-bis(trifluoromethyl)phenyl]amino]carbonyl]amino]-5-bromo- (9CI) (CA INDEX NAME)
MF C16 H9 Br F6 N2 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

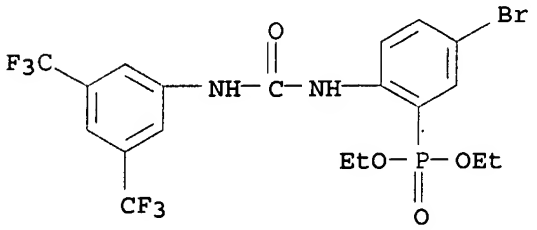
L4 ANSWER 3 OF 8 REGISTRY COPYRIGHT 2007 ACS on STN
RN 562080-74-4 REGISTRY
ED Entered STN: 07 Aug 2003
CN Phosphonic acid, [2-[[[[3,5-bis(trifluoromethyl)phenyl]amino]carbonyl]amino]-5-bromophenyl]-, disodium salt (9CI) (CA INDEX NAME)
MF C15 H10 Br F6 N2 O4 P . 2 Na
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL
CRN (562079-48-5)



●2 Na

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

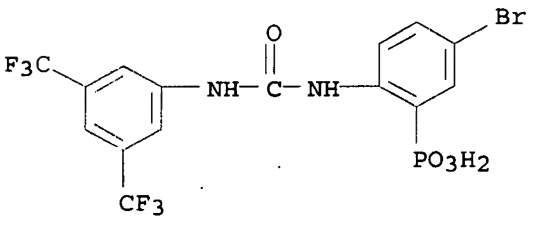
L4 ANSWER 4 OF 8 REGISTRY COPYRIGHT 2007 ACS on STN
RN 562080-73-3 REGISTRY
ED Entered STN: 07 Aug 2003
CN Phosphonic acid, [2-[[[[3,5-bis(trifluoromethyl)phenyl]amino]carbonyl]amino]-5-bromophenyl]-, diethyl ester (9CI) (CA INDEX NAME)
MF C19 H18 Br F6 N2 O4 P
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

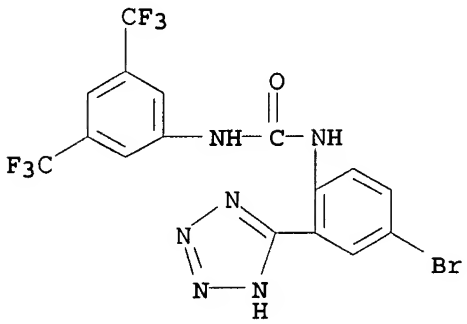
L4 ANSWER 5 OF 8 REGISTRY COPYRIGHT 2007 ACS on STN
RN 562079-48-5 REGISTRY
ED Entered STN: 07 Aug 2003
CN Phosphonic acid, [2-[[[[3,5-bis(trifluoromethyl)phenyl]amino]carbonyl]amino]-5-bromophenyl]- (9CI) (CA INDEX NAME)
MF C15 H10 Br F6 N2 O4 P
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

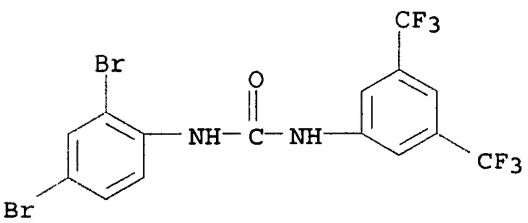
L4 ANSWER 6 OF 8 REGISTRY COPYRIGHT 2007 ACS on STN
RN 265646-85-3 REGISTRY
ED Entered STN: 19 May 2000
CN Urea, N-[3,5-bis(trifluoromethyl)phenyl]-N'-[4-bromo-2-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-[3,5-Bis(trifluoromethyl)phenyl]-3-[4-bromo-2-(1H-tetrazol-5-yl)phenyl]urea
MF C16 H9 Br F6 N6 O
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

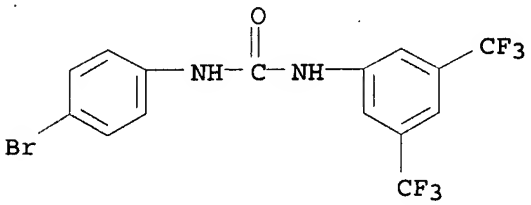
L4 ANSWER 7 OF 8 REGISTRY COPYRIGHT 2007 ACS on STN
RN 2927-84-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN Carbanilide, 2,4-dibromo-3',5'-bis(trifluoromethyl)- (7CI, 8CI) (CA INDEX NAME)
MF C15 H8 Br2 F6 N2 O
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, USPATOLD
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L4 ANSWER 8 OF 8 REGISTRY COPYRIGHT 2007 ACS on STN
RN 1050-23-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN Carbanilide, 4'-bromo-3,5-bis(trifluoromethyl)- (7CI, 8CI) (CA INDEX NAME)
MF C15 H9 Br F6 N2 O
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMCATS, TOXCENTER, USPATOLD
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10 REFERENCES IN FILE CA (1907 TO DATE)
10 REFERENCES IN FILE CAPLUS (1907 TO DATE)
8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> File caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	366.25	366.46

FILE 'CAPLUS' ENTERED AT 09:47:43 ON 17 SEP 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 17 Sep 2007 VOL 147 ISS 13
FILE LAST UPDATED: 16 Sep 2007 (20070916/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> S 265646-85-3/RN
9 265646-85-3

```
            1 265646-85-3D
L5          9 265646-85-3/RN
                (265646-85-3 (NOTL) 265646-85-3D )

=> D L5 1-9 ibib abs

L5   ANSWER 1 OF 9  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2006:608466  CAPLUS <<LOGINID::20070917>>
DOCUMENT NUMBER:          145:55992
TITLE:                    Diphenylurea derivatives useful as potassium channel
                          activators, and their therapeutic use
INVENTOR(S):              Dahl, Bjarne H.; Christophersen, Palle; Demnitz,
                          Joachim
PATENT ASSIGNEE(S):       Neurosearch A/S, Den.
SOURCE:                   PCT Int. Appl., 67 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     WO 2006064015         A2    20060622    WO 2005-EP56766         20051214
     WO 2006064015         A3    20060803
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
             MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
             SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
             VN, YU, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
     AU 2005315607         A1    20060622    AU 2005-315607          20051214
     CA 2591616            A1    20060622    CA 2005-2591616         20051214
     EP 1827411            A2    20070905    EP 2005-826448          20051214
         R:  AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR
PRIORITY APPLN. INFO.:                      DK 2004-1953          A  20041217
                                            US 2004-637775P       P  20041222
                                            WO 2005-EP56766       W  20051214
OTHER SOURCE(S):          CASREACT 145:55992; MARPAT 145:55992
AB   The invention relates to the medical use of a certain group of di-Ph urea
     derivs. as potassium channel blockers for treating cardiovascular
     diseases, an obstructive or inflammatory airway disease, urinary
     incontinence, psychosis, epilepsy or pain, or for facilitating the
     blood-brain barrier permeability for other therapeutic substances.  Compound
     preparation is included.

L5   ANSWER 2 OF 9  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2005:232604  CAPLUS <<LOGINID::20070917>>
DOCUMENT NUMBER:          142:309901
TITLE:                    Erg channel openers for the treatment of
                          hyperexcitability-related neuronal diseases
INVENTOR(S):              Olesen, Soren Peter; Grunnet, Morten; Christophersen,
                          Palle; Strobaek, Dorte; Demnitz, Joachim; Hansen, Rie
                          S.
PATENT ASSIGNEE(S):       Poseidon Pharmaceuticals A/S, Den.
SOURCE:                   PCT Int. Appl., 60 pp.
                          CODEN: PIXXD2
```

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005023238	A1	20050317	WO 2004-EP52047	20040906

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DK 2003-1265 A 20030904

AB This invention relates to the use of ERG channel openers for the treatment of hyperexcitability-related neuronal diseases, and to the use of specific compds. for such treatment. In a sep. aspect the invention provides novel compds. useful as ERG channel openers.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:232603 CAPLUS <<LOGINID::20070917>>
DOCUMENT NUMBER: 142:309900
TITLE: ERG channel openers for the treatment of cardiac arrhythmias
INVENTOR(S): Olesen, Soren Peter; Grunnet, Morten; Christophersen, Palle; Strobaek, Dorte; Demnitz, Joachim; Hansen, Rie S.
PATENT ASSIGNEE(S): Poseidon Pharmaceuticals A/S, Den.
SOURCE: PCT Int. Appl., 64 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005023237	A1	20050317	WO 2004-EP52046	20040906

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2004269924	A1	20050317	AU 2004-269924	20040906
CA 2537746	A1	20050317	CA 2004-2537746	20040906
EP 1663192	A1	20060607	EP 2004-766708	20040906

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK

CN 1845726	A	20061011	CN 2004-80025384	20040906
JP 2007504202	T	20070301	JP 2006-525152	20040906

MX 2006PA02315	A	20060522	MX 2006-PA2315		20060228
US 2006281794	A1	20061214	US 2006-570250		20060302
PRIORITY APPLN. INFO.:			DK 2003-1264	A	20030904
			WO 2004-EP52046	W	20040906

AB This invention relates to the use of ERG channel openers for the treatment of cardiac arrhythmias, and to the use of specific compds. for such treatment. In a sep. aspect the invention provides novel compds. useful as ERG channel openers.

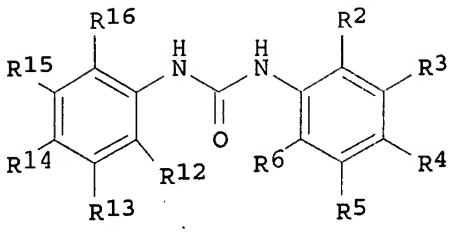
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:120720 CAPLUS <<LOGINID::20070917>>
DOCUMENT NUMBER: 140:175143
TITLE: Substituted N,N'-diphenylureas useful for the treatment of diseases responsive to antiangiogenetic therapy
INVENTOR(S): Lichtenberg, Jens; Christophersen, Palle; Dahl, Bjarne H.
PATENT ASSIGNEE(S): Neurosearch A/S, Den.
SOURCE: PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004012733	A2	20040212	WO 2003-DK518	20030731
WO 2004012733	A3	20040318		
WO 2004012733	A9	20050310		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2493253	A1	20040212	CA 2003-2493253	20030731
AU 2003260280	A1	20040223	AU 2003-260280	20030731
EP 1526851	A2	20050504	EP 2003-766118	20030731
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003012929	A	20050712	BR 2003-12929	20030731
CN 1671378	A	20050921	CN 2003-818373	20030731
JP 2005537336	T	20051208	JP 2005-505653	20030731
NZ 537809	A	20070531	NZ 2003-537809	20030731
MX 2005PA01235	A	20050608	MX 2005-PA1235	20050131
IN 2005CN00113	A	20070330	IN 2005-CN113	20050201
NO 2005001074	A	20050429	NO 2005-1074	20050228
US 2006058395	A1	20060316	US 2005-522258	20051020
ZA 2005000481	A	20060329	ZA 2005-481	20060118
PRIORITY APPLN. INFO.:			DK 2002-1165	A 20020801
			DK 2002-1839	A 20021128
			DK 2003-371	A 20030311
			WO 2003-DK518	W 20030731

OTHER SOURCE(S): MARPAT 140:175143
GI



I

AB This invention discloses the use of certain compds. for the treatment of diseases that are responsive to antiangiogenetic therapy, in particular for anti-metastatic treatment or for the treatment of age-related macular degeneration.

L5 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:37988 CAPLUS <<LOGINID::20070917>>
DOCUMENT NUMBER: 140:368377
TITLE: Inhibition of the Endogenous Volume-regulated Anion Channel (VRAC) in HEK293 Cells by Acidic Di-Aryl-Ureas
AUTHOR(S): Helix, N.; Strobaek, D.; Dahl, B. H.; Christophersen, P.
CORPORATE SOURCE: NeuroSearch A/S, Ballerup, DK-2750, Den.
SOURCE: Journal of Membrane Biology (2003), 196(2), 83-94
CODEN: JMBBBO; ISSN: 0022-2631
PUBLISHER: Springer-Verlag New York Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The endogenous volume-regulated anion channel (VRAC) from HEK293 cells was pharmacol. characterized using the whole-cell patch-clamp technique. Under isotonic conditions a small (1.3 nS), Ca2+-independent Cl conductance was measured. However, swelling at 75% tonicity activated a VRAC identified as an outward-rectifying anion current (PI > PCl > Pgluconate), which was ATP-dependent and showed inactivation at pos. potentials. Activation of this current followed a sigmoid time course, reaching a plateau conductance of 42.6 nS after 12-15 min (t1/2 = 7 min). The pharmacol. of this VRAC was investigated using standard Cl--channel blockers (NPPB, DIDS, and tamoxifen) as well as a new group (acidic di-aryl ureas) of Cl--channel blockers (NS1652, NS3623, NS3749, and NS3728). The acidic di-aryl ureas were originally synthesized for inhibition of the human erythrocyte Cl- conductance in vivo. NS3728 was the most potent VRAC blocker in this series (IC50 = 0.40 μM) and even more potent than tamoxifen (2.2 μM). NS3728 accelerated channel inactivation at pos. potentials. These results show that acidic di-aryl ureas constitute a promising starting point for the synthesis of potent inhibitors of VRAC.
REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:5764 CAPLUS <<LOGINID::20070917>>
DOCUMENT NUMBER: 138:66678
TITLE: Aryl and heteroaryl compounds for use in disorders associated with mast cell or basophil activity
INVENTOR(S): Madsen, Lars Siim; Dahl, Bjarne H.
PATENT ASSIGNEE(S): Poseidon Pharmaceuticals A/S, Den.
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2003000245	A1	20030103	WO 2002-DK416		20020620
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
AU 2002317708	A1	20030108	AU 2002-317708		20020620
US 2005080112	A1	20050414	US 2003-481255		20031218
PRIORITY APPLN. INFO.:			DK 2001-990	A	20010622
			WO 2002-DK416	W	20020620

OTHER SOURCE(S): MARPAT 138:66678

AB The invention relates to the use of certain compds. for the treatment, prevention or alleviation of a disorder or disease which is responsive to modulation of the mast cell or basophil activity of the subject. Compds. of the invention include AXpYqZrB [A = (un)substituted (hetero)aryl; B = substituted (hetero)aryl; X, Y, Z = CO, CS, SO2, NR10 (R10 = H, alkyl), etc.; p, q, r = 0, 1]. Compds. of the invention include e.g. 3-trifluoromethylphenyl-N'-2-carboxyphenyl urea.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:391502 CAPLUS <<LOGINID::20070917>>
DOCUMENT NUMBER: 136:380081
TITLE: Urea derivative malaria parasite anion channel blockers for treating malaria
INVENTOR(S): Christophersen, Palle; Dahl, Bjarne H.
PATENT ASSIGNEE(S): Neurosearch A/S, Den.
SOURCE: PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2002039987	A2	20020523	WO 2001-DK745		20011112
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
AU 2002023492	A5	20020527	AU 2002-23492		20011112
PRIORITY APPLN. INFO.:			DK 2000-1705	A	20001114
			US 2000-252467P	P	20001122
			WO 2001-DK745	W	20011112

OTHER SOURCE(S): MARPAT 136:380081

AB The present invention relates to the use of malaria anion channel blockers for treating malaria, a method for screening the activity of a compound in the above use, a method for diagnosing the severity of malaria disease of a subject, and novel compds. active as anion channel blockers. One example compound prepared was N-2,3-difluorophenyl-N'-3-

trifluoromethylphenylthiourea.

L5 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:241346 CAPLUS <<LOGINID::20070917>>
DOCUMENT NUMBER: 136:279203
TITLE: Substituted phenyl derivatives, their preparation and use
INVENTOR(S): Dahl, Bjarne H.; Christophersen, Palle
PATENT ASSIGNEE(S): Neurosearch A/S, Den.
SOURCE: U.S. Pat. Appl. Publ., 21 pp., Cont.-in-part of U.S. Ser. No. 837,166.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002037905	A1	20020328	US 2001-923458	20010808
US 6696475	B2	20040224		
CA 2285424	A1	19981029	CA 1998-2285424	19980421
WO 9847879	A1	19981029	WO 1998-DK162	19980421
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9869196	A	19981113	AU 1998-69196	19980421
AU 728520	B2	20010111		
EP 977741	A1	20000209	EP 1998-914851	19980421
EP 977741	B1	20030903		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TR 9902593	T2	20000321	TR 1999-2593	19980421
BR 9808938	A	20000801	BR 1998-8938	19980421
NZ 337976	A	20010525	NZ 1998-337976	19980421
JP 2001521532	T	20011106	JP 1998-544759	19980421
SK 282818	B6	20021203	SK 1999-1447	19980421
RU 2197482	C2	20030127	RU 1999-124188	19980421
CN 1118462	B	20030820	CN 1998-804446	19980421
AT 248824	T	20030915	AT 1998-914851	19980421
PT 977741	T	20040130	PT 1998-914851	19980421
ES 2205472	T3	20040501	ES 1998-914851	19980421
CZ 295822	B6	20051116	CZ 1999-3699	19980421
US 6297261	B1	20011002	US 1999-402165	19990930
WO 2000024707	A1	20000504	WO 1999-DK575	19991019
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
JP 2003246773	A	20030902	JP 2003-22576	19991019
EP 1514867	A2	20050316	EP 2004-105861	19991019
EP 1514867	A3	20050323		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, MK, CY, AL				
MX 9909689	A	20000331	MX 1999-9689	19991021

HK 1026909	A1	20040416	HK 2000-106125		20000927
US 2002032210	A1	20020314	US 2001-837166		20010419
US 6706749	B2	20040316			
PRIORITY APPLN. INFO.:			DK 1997-452	A	19970422
			WO 1998-DK162	W	19980421
			DK 1998-1362	A	19981022
			US 1999-402165	A2	19990930
			WO 1999-DK575	A1	19991019
			US 2001-837166	A2	20010419
			EP 1999-950505	A3	19991019
			JP 2000-578279	A3	19991019

OTHER SOURCE(S): MARPAT 136:279203
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. [I; 1 of R1-R3 = acidic functional group having pKa < 8 or a group convertible in vivo to such a group; R4, R5 and the others of R1-R3 = independently H, alkyl, alkoxy, OH, halo, CF3, cyano, NO2, amino, etc.; Y = C(X)NR0, NR0C(X)NR00, etc.; R0, R00 = independently H, alkyl; X = O, S; R11-R15 = independently H, alkyl, alkoxy, OH, halo, CF3, cyano (substituted) aryl, heteroaryl, phenylamino, etc.] were prepared Thus, 3-Trifluoromethylphenyl isocyanate and 2-aminobenzoic acid were stirred in PhMe to give N-3-trifluoromethylphenyl, N'-2-carboxyphenyl urea (II). The compds. are useful as chloride channel blockers. N-3-trifluoromethylphenyl-N'-[4'-(dimethylsulfamoyl)-2-(1H-tetrazol-5-yl)-4-biphenyl]urea (III) blocked erythrocyte chloride channels with KD = 0.3 μM.

L5 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:290984 CAPLUS <<LOGINID::20070917>>
DOCUMENT NUMBER: 132:308142
TITLE: Preparation of diarylureas and related compounds as chloride channel blockers.
INVENTOR(S): Dahl, Bjarne H.; Christophersen, Palle
PATENT ASSIGNEE(S): Neurosearch A/s, Den.
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000024707	A1	20000504	WO 1999-DK575	19991019
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2342626	A1	20000504	CA 1999-2342626	19991019
AU 9963259	A	20000515	AU 1999-63259	19991019
AU 759275	B2	20030410		
BR 9914638	A	20010703	BR 1999-14638	19991019
EP 1123274	A1	20010816	EP 1999-950505	19991019
EP 1123274	B1	20041229		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, FI

TR 200101126	T2	20010921	TR 2001-200101126	19991019
HU 200103673	A2	20020228	HU 2001-3673	19991019
ZA 200101824	A	20020305	ZA 2001-1824	19991019
EE 200100185	A	20020815	EE 2001-185	19991019
EE 4849	B1	20070615		
JP 2002528432	T	20020903	JP 2000-578279	19991019
JP 3960754	B2	20070815		
JP 2003246773	A	20030902	JP 2003-22576	19991019
NZ 510098	A	20030926	NZ 1999-510098	19991019
RU 2218328	C2	20031210	RU 2001-107853	19991019
AT 286021	T	20050115	AT 1999-950505	19991019
EP 1514867	A2	20050316	EP 2004-105861	19991019
EP 1514867	A3	20050323		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, MK, CY, AL

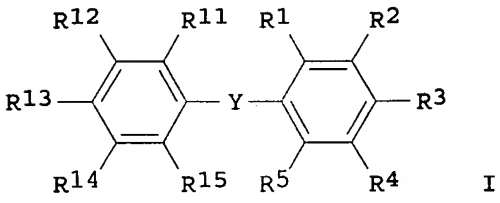
PT 1123274	T	20050429	PT 1999-950505	19991019
ES 2235522	T3	20050701	ES 1999-950505	19991019
IN 2001CN00508	A	20050304	IN 2001-CN508	20010410
US 2002032210	A1	20020314	US 2001-837166	20010419
US 6706749	B2	20040316		
NO 2001001956	A	20010420	NO 2001-1956	20010420
MX 2001PA04070	A	20010731	MX 2001-PA4070	20010423
US 2002037905	A1	20020328	US 2001-923458	20010808
US 6696475	B2	20040224		
HK 1040699	A1	20061124	HK 2002-102082	20020319

PRIORITY APPLN. INFO.:

DK 1998-1362	A	19981022
DK 1997-452	A	19970422
WO 1998-DK162	W	19980421
US 1999-402165	A2	19990930
EP 1999-950505	A3	19991019
JP 2000-578279	A3	19991019
WO 1999-DK575	W	19991019
US 2001-837166	A2	20010419

OTHER SOURCE(S): MARPAT 132:308142

GI



I

AB Title compds. [I; 1 of R1-R3 = acidic functional group having pKa<8 or a group convertible in vivo to such a group; R4, R5 and the others of R1-R3 = H, alkyl, alkoxy, OH, halo, CF3, cyano, NO2, amino, etc.; Y = C(:X)NR0, NR0C(:X)NR00, etc.; R0, R00 = H, alkyl; X = O, S; R11-R15 = H, alkyl, alkoxy, OH, halo, CF3, cyano, (substituted) aryl, heteroaryl, phenylamino, etc.], were prepared Thus, 3-trifluoromethylphenyl isocyanate and 2-aminobenzoic acid were stirred in PhMe to give N-3-trifluoromethylphenyl-N'-2-carboxyphenyl urea. N-3-trifluoromethylphenyl-N'-[4'-(dimethylsulfamoyl)-2-(1H-tetrazol-5-yl)-4-biphenyl]urea blocked erythrocyte chloride channels with KD = 0.3 μM.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT